

FIG. 1B

hTRADEalpha_	151	SKVNLVKIAS	TASSPRDTAL	AAVICSALAT	VLLALLILCV	IYCKRQFM EK	200
hTRAIN_1		SKVNLVKIAS	TASSPRDTAL	AAVICSALAT	VLLALLILCV	IYCKRQFM EK	
hTRADEbeta_1		SKVNLVKIAS	TASSPRDTAL	AAVICSALAT	VLLALLILCV	IYCKRQFM EK	
hApo420pep		SKVNLVKIAS	TASSPRDTAL	AAVICSALAT	VLLALLILCV	IYCKRQFM EK	
Consensus		SKVNLVKIAS	TASSPRDTAL	AAVICSALAT	VLLALLILCV	IYCKRQFM EK	
hTRADEalpha_	201	KPSWSLRSQD	IQYNGSELSC	FDRPQLHEYA	HRACCQCRRD	SVQTCGPVRL	250
hTRAIN_1		KPSWSLRSQD	IQYNGSELSC	FDRPQLHEYA	HRACCQCRRD	SVQTCGPVRL	
hTRADEbeta_1		KPSWSLRSQD	IQYNGSELSC	LDRPQLHEYA	HRACCQCRRD	SVQTCGPVRL	
hApo420pep		KPSWSLRSQD	IQYNETELSC	FDRPQLHEYA	HRACCQCRRD	SVQTCGPVRL	
Consensus		KPSWSLRSQD	IQYNGSELSC	FDRPQLHEYA	HRACCQCRRD	SVQTCGPVRL	
hTRADEalpha_	251	LPSMCCEEAC	SPNPATLGCG	VHSAASLQAR	NAGPAGEMVP	TFFGSLTQSI	300
hTRAIN_1		LPSMCCEEAC	SPNPATLGCG	VHSAASLQAR	NAGPAGEMVP	TFFGSLTQSI	
hTRADEbeta_1		LPSMCCEEAC	SPNPATLGCG	VHSAASLQAR	NAGPAGEMVP	TFFGSLTQSI	
hApo420pep		LPSMCCEEAC	SPNPATLGCG	VHSAASLQAR	NAGPAGEMVP	TFFGSLTQSI	
Consensus		LPSMCCEEAC	SPNPATLGCG	VHSAASLQAR	NAGPAGEMVP	TFFGSLTQSI	

FIG. 1C

hTRADEalpha_	301	CGEFSDAWPL	MQNPMSGDNI	SFCDSTYPELT	GEDIHSLNPE	LESSTSLDSN	350
hTRAIN_1		CGEFSDAWPL	MQNPMSGDNI	SFCDSTYPELT	GEDIHSLNPE	LESSTSLDSN	
hTRADEbeta_1		CGEFSDAWPL	MQNPMSGDNI	SFCDSTYPELA	GEDIHSLNPE	LESSTSLDSN	
hApo420pep		CGEFSDAWPL	MQNPMSGDNI	SFCDSTYPELT	GEDIHSLNPE	LESSTSLDSN	
Consensus		CGEFSDAWPL	MQNPMSGDNI	SPCDSTYPELT	GEDIHSLNPE	LESSTSLDSN	
hTRADEalpha_	351	SSQDLVGGAV	PVQSHSEFT	AATDLSRYNN	TLVESASTQD	ALTMRSQLDQ	400
hTRAIN_1		SSQDLVGGAV	PVQSHSEFT	AATDLSRYNN	TLVESASTQD	ALTMRSQLDQ	
hTRADEbeta_1		SSQDLVGGAV	PVQSHSEFT	AATDLSRYNN	TLVESASTQD	ALTMRSQLDQ	
hApo420pep		SSQDLVGGAV	PVQSHSEFT	AATDLSRYNN	TLVESASTQD	ALTMRSQLDQ	
Consensus		SSQDLVGGAV	PVQSHSEFT	AATDLSRYNN	TLVESASTQD	ALTMRSQLDQ	
hTRADEalpha_	401	ESGAIHPAT	QTSLQEA~~~	~~~			423
hTRAIN_1		ESGAVIHPAT	QTSLQEA~~~	~~~			
hTRADEbeta_1		ESGAIHPAT	QTSLQVRQRL	GSL			
hApo420pep		ESGAVIHPAT	QTSLQVRQRL	GSL			
Consensus		ESGA-IHPAT	QTSLQ--QRL	GSL			

FIG. 2

TRADE- α	ESGAI IHPATQTS LQEA		
TRADE- β	ESGAI IHPATQTS LQVRQLGSL		
	401	416	423

FIG. 3

CRD1

NGFRp75	CPTGLYT.H	SGEC..CKAC	NLGEGVAQPC	..G.ANQTVCE
OX40	CGDTYP..S	NDRC..CHEC	RPGNGMVSRC	..SRSQNTVCR
CD40	CREKQYL.L	NSQC..CSLC	QPGQKLVSDC	..TEFTETECL
TRADE	CRQQEFRDR	SGNCVPCNQC	GPGMELSKEC	GFGYGEDAQCV

CRD2

NGFRp75	PCLDSVTFS	DVVSATEPCK	PCTECVGLQS	MSAP...CVE	ADDAVC
OX40	PC..GPGFY	NDVVSSKPCK	PCTWC.NLRS	GSERKQLCTA	TQDTVC
CD40	PCGES.EFL	DTWNRETHCH	QHKYCDPNLG	LRVQOKGTSE	T.DTIC
TRADE	TCRLHR.FK	EDWGFQK.CK	PCLDCAVVN.	.RFQKANCSA	TSDAIC

FIG. 4

SEQ ID NO: 2 HUMAN	TRADE α	MALKVLL	EQEKTFT	LLVL	LGYS	CKVT	CE	SG	DCRQ	QEQE	FF	DR	SGNC	VPCN	50
SEQ ID NO: 6 MOUSE	TRADE	MALKVLP	LHRTVL	FAALL	FLHL	LACKV	SC	ET	GD	CRQ	QEQE	FK	DR	SGNCVLC	50
SEQ ID NO: 2 HUMAN	TRADE α	QCGPGM	ELSK	ECG	FGY	GEDA	QC	VT	CR	LH	RFK	ED	WG	FQ	CK
SEQ ID NO: 6 MOUSE	TRADE	QCGPGM	ELSK	ECG	FGY	GEDA	QC	VP	CR	PH	RFK	ED	WG	FQ	CK
SEQ ID NO: 2 HUMAN	TRADE α	FQKANC	SA	TSD	A	IC	GD	CL	P	G	FY	RK	TK	L	V
SEQ ID NO: 6 MOUSE	TRADE	FQKANC	SA	TSD	A	IC	GD	CL	P	G	FY	RK	TK	L	V
SEQ ID NO: 2 HUMAN	TRADE α	SKVNLV	KI	AST	AS	SP	R	D	T	A	L	A	V	I	C
SEQ ID NO: 6 MOUSE	TRADE	SKVNLV	KI	ST	AS	SP	R	D	T	A	L	A	V	I	C
SEQ ID NO: 2 HUMAN	TRADE α	KPSW	SLR	SQ	D	I	Q	N	G	S	E	L	S	C	F
SEQ ID NO: 6 MOUSE	TRADE	KPSW	SLR	SQ	D	I	Q	N	G	S	E	L	S	C	F
SEQ ID NO: 2 HUMAN	TRADE α	IP	SM	C	C	E	E	A	S	P	N	P	A	T	L
SEQ ID NO: 6 MOUSE	TRADE	IP	SL	C	C	E	E	A	S	P	N	P	A	T	L
SEQ ID NO: 2 HUMAN	TRADE α	C	G	E	F	S	D	A	W	P	L	M	Q	N	P
SEQ ID NO: 6 MOUSE	TRADE	C	G	E	F	S	D	A	W	P	L	M	Q	N	P
SEQ ID NO: 2 HUMAN	TRADE α	S	S	D	L	M	G	G	A	V	P	V	Q	S	H
SEQ ID NO: 6 MOUSE	TRADE	G	G	D	L	M	G	G	A	V	P	V	Q	S	H
SEQ ID NO: 2 HUMAN	TRADE α	E	S	G	A	V	I	H	P	A	T	Q	T	S	L
SEQ ID NO: 6 MOUSE	TRADE	E	D	R	E	N	L	N	L	A	M	P	T	A	F

CDR1

CDR2

*

TM

417

416

FIG. 5A

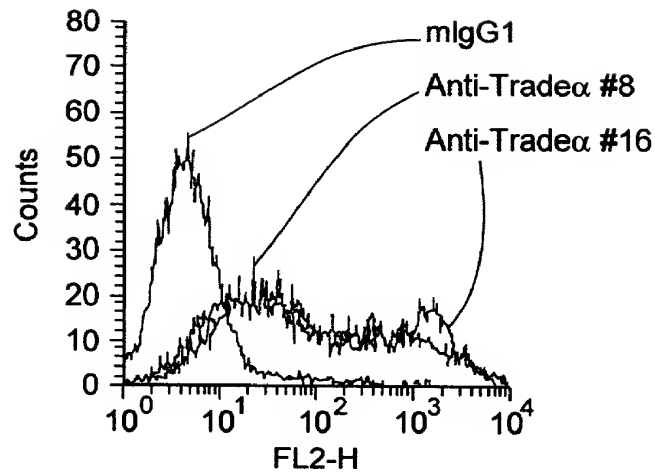


FIG. 5B

mAb # 8

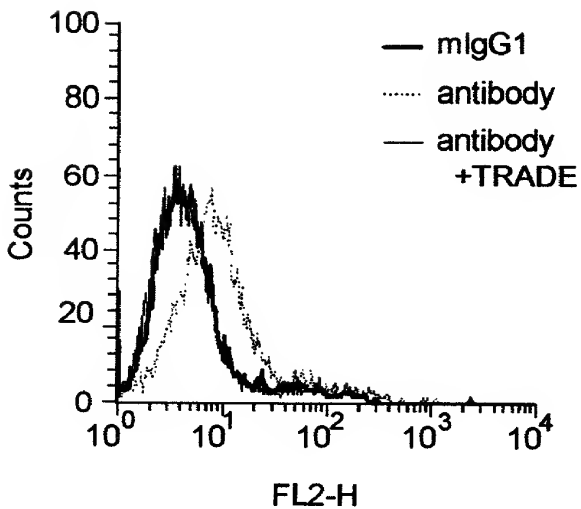


FIG. 5C

mAb#16

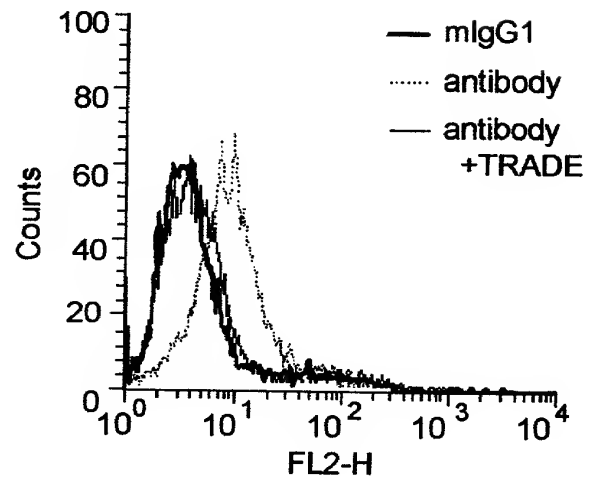


FIG. 6A

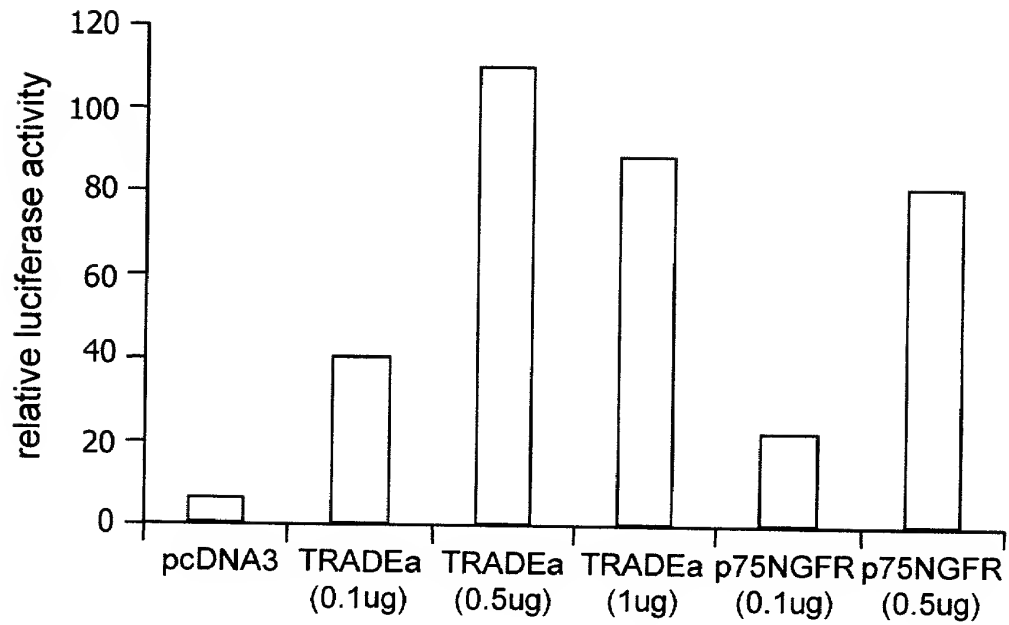


FIG. 6B

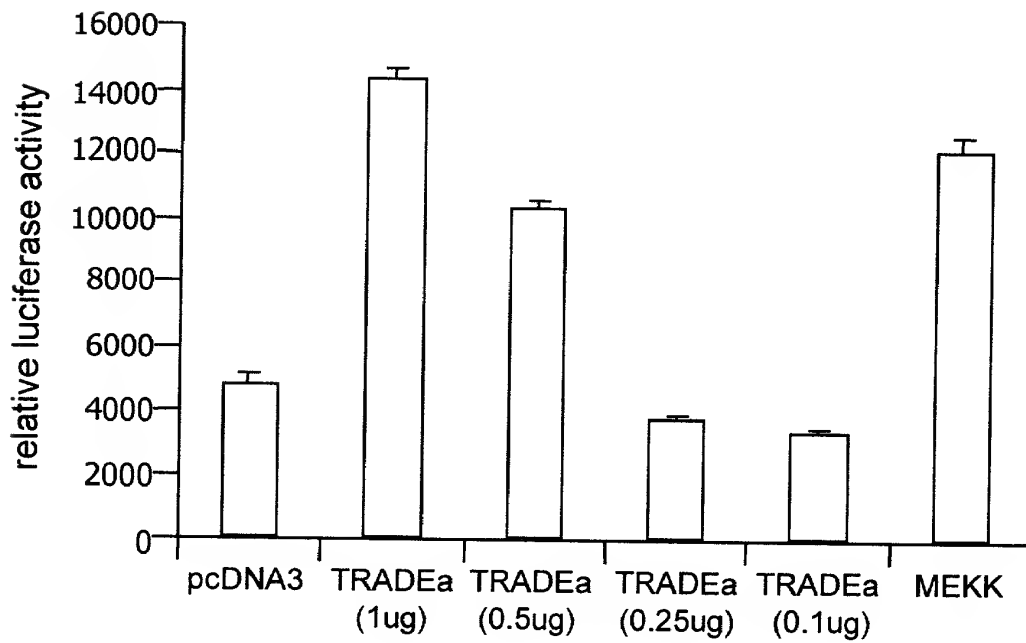


FIG. 7A

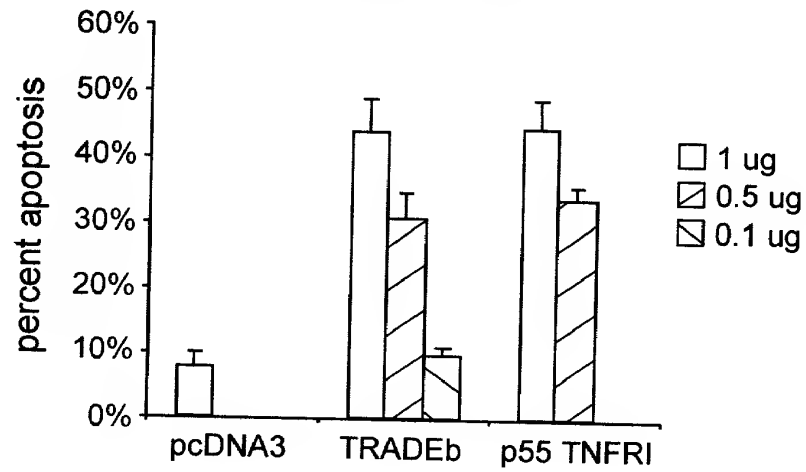


FIG. 7B

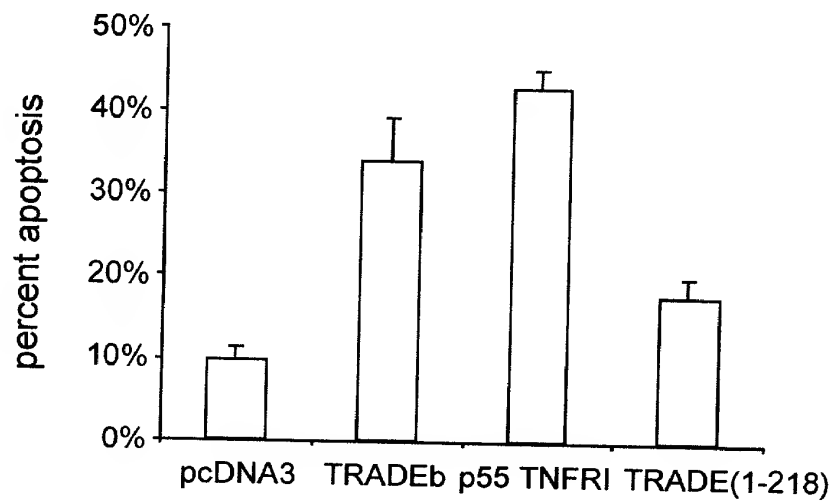


FIG. 8

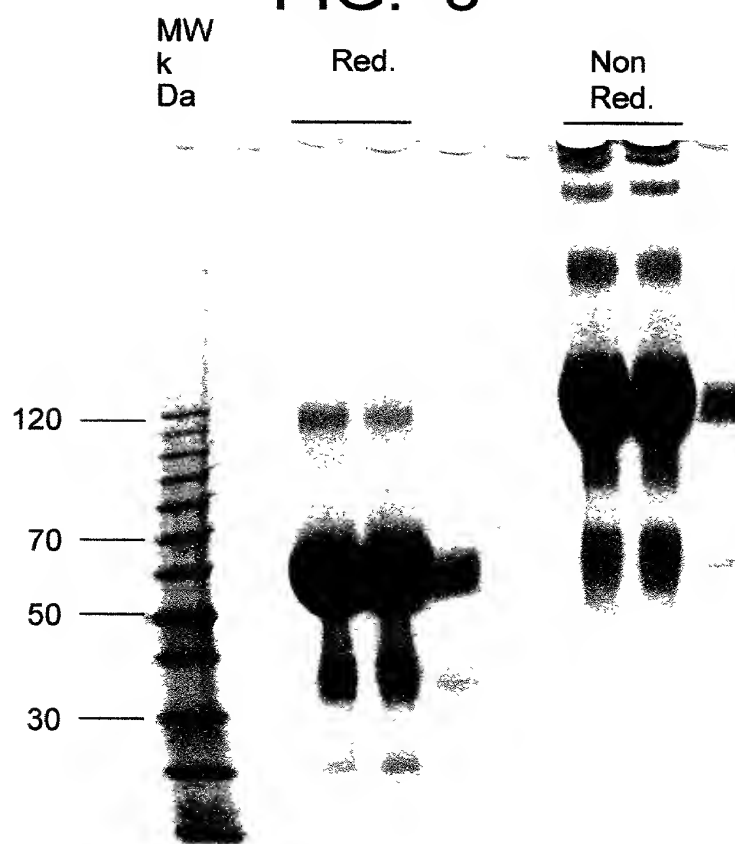
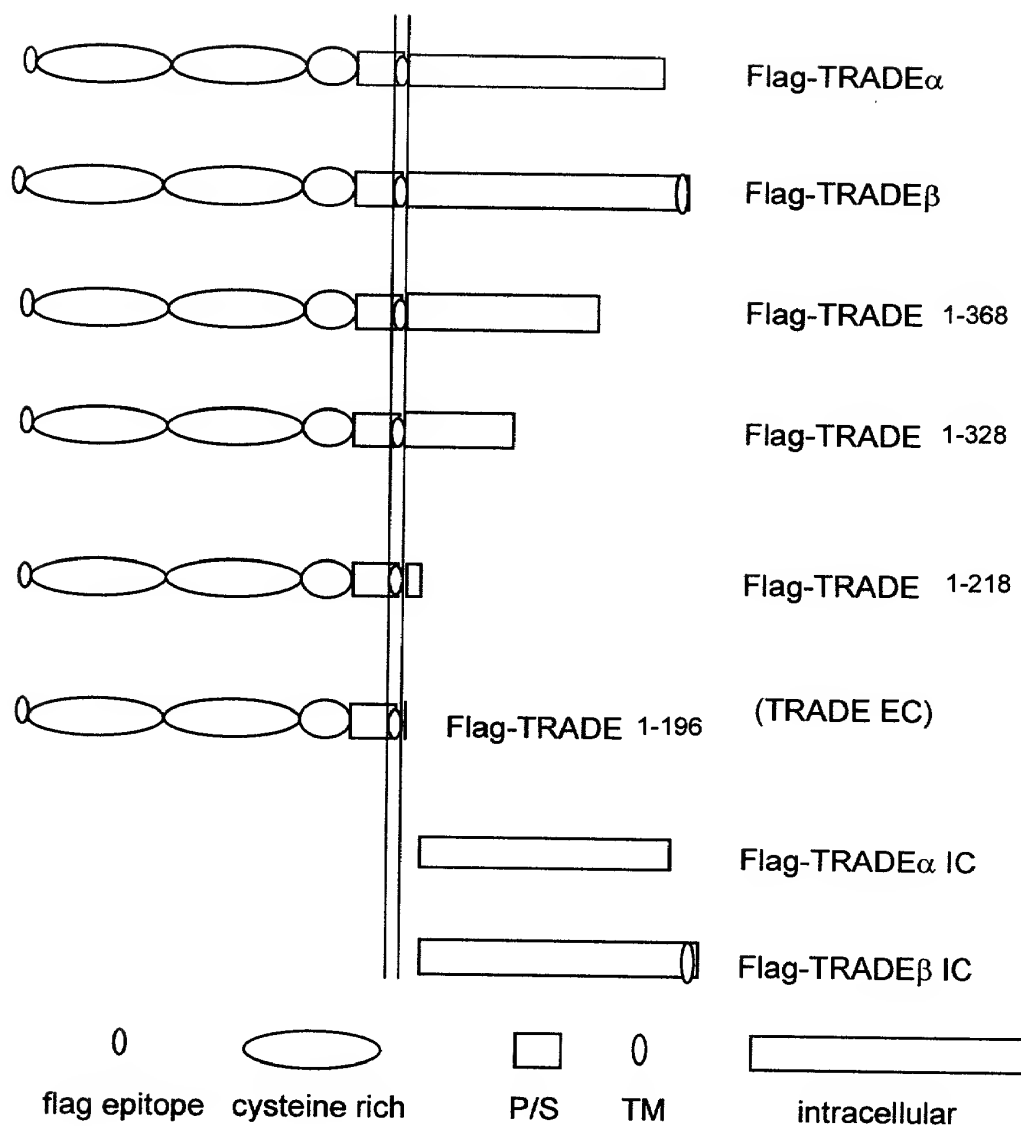


FIG. 9



Deletion analysis

FIG. 10

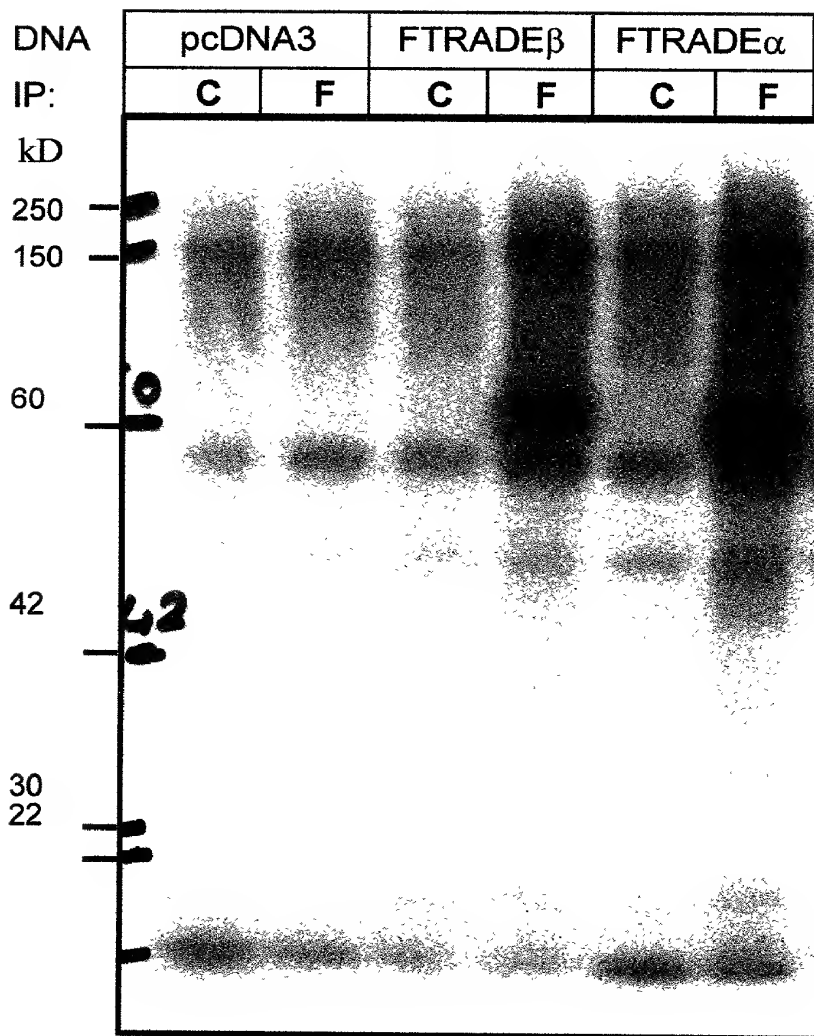
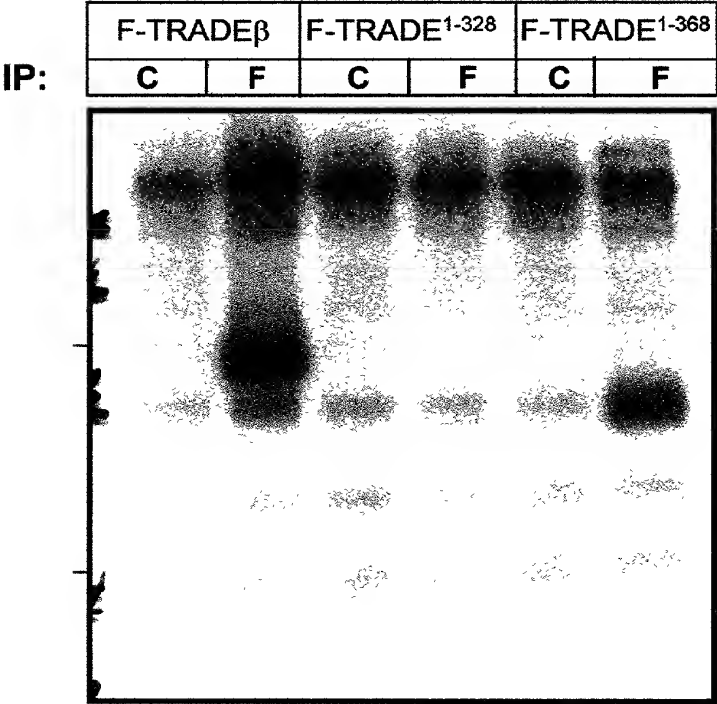
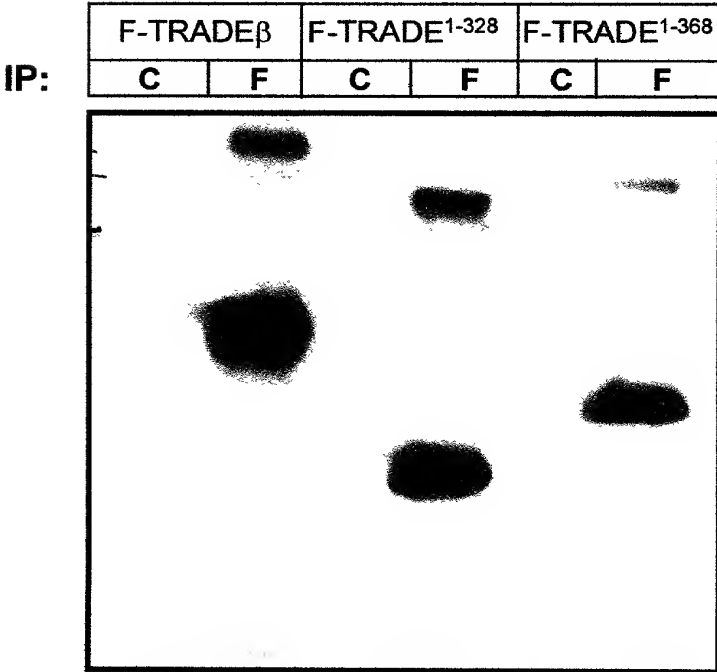


FIG. 11A



Kinase assay

FIG. 11B



anti-Flag blot

FIG. 12A

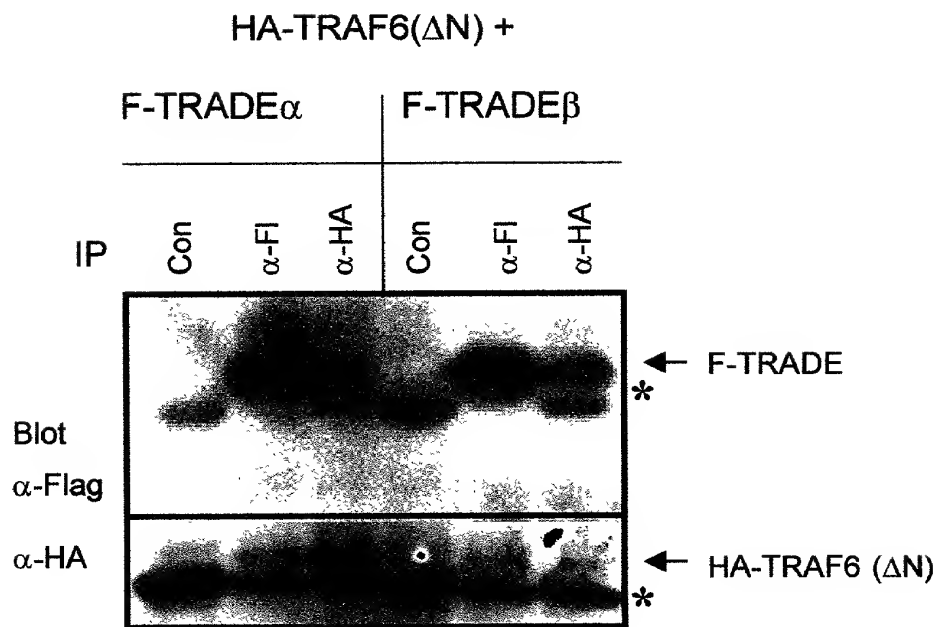


FIG. 12B

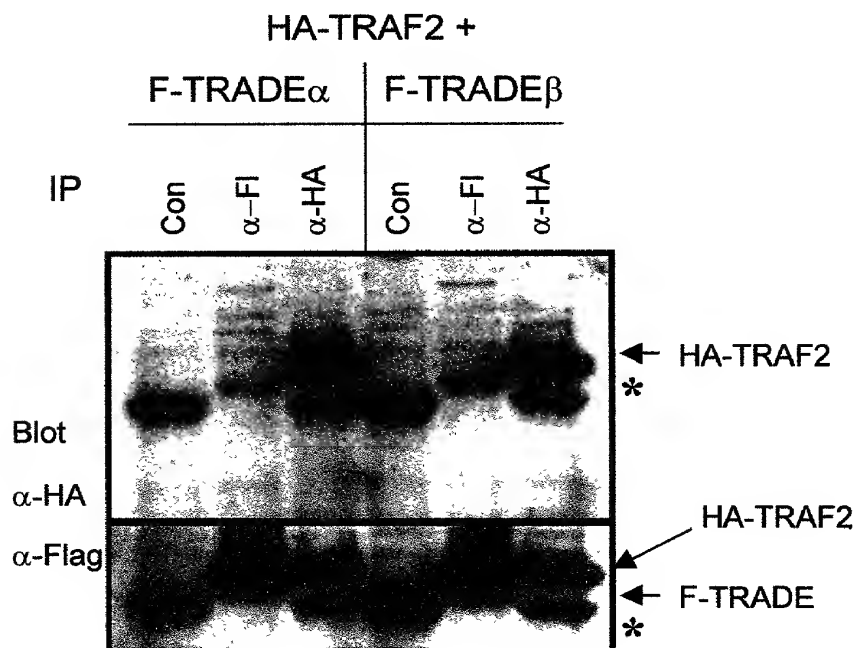


FIG. 13

HA-TRAF3+

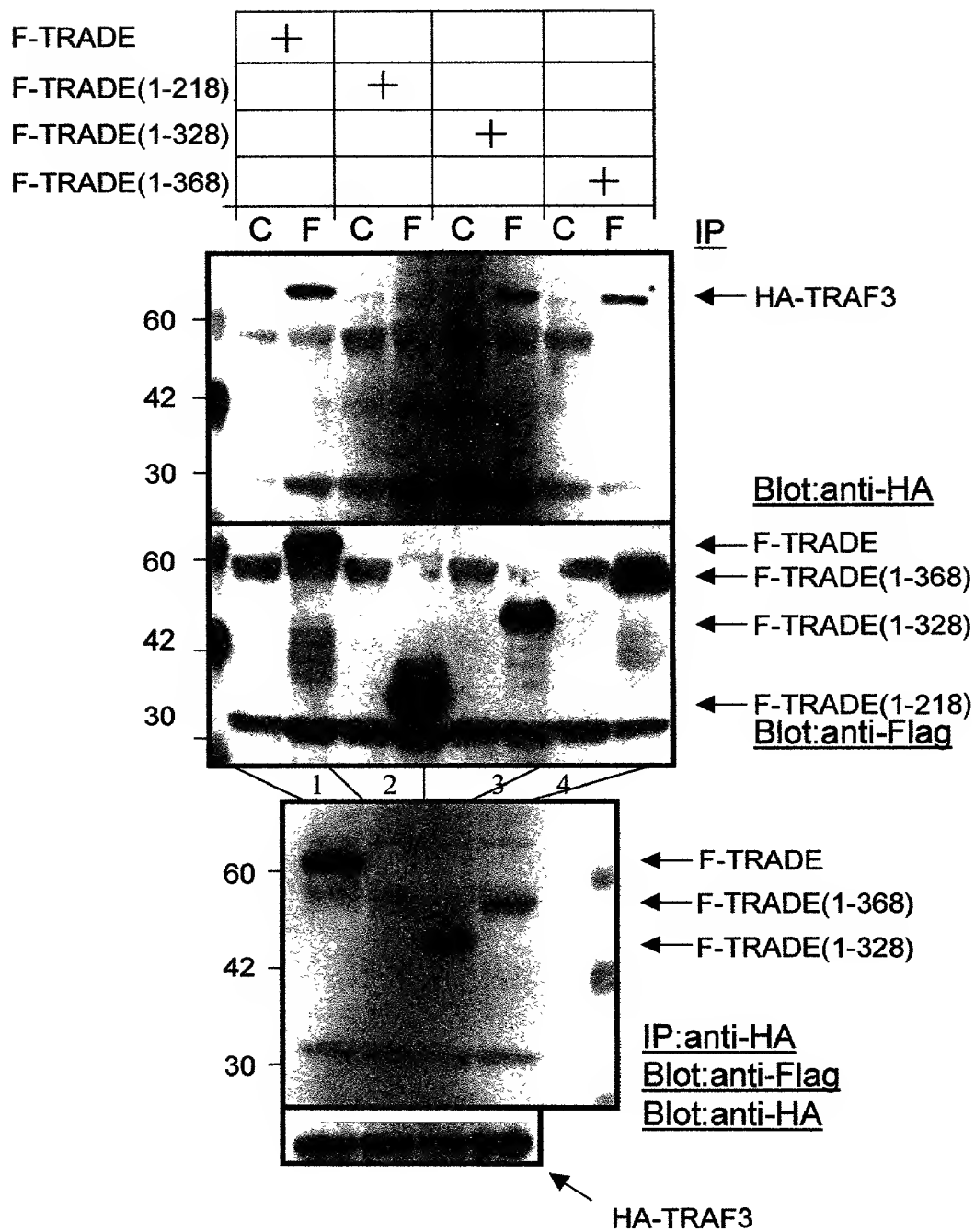


FIG. 14A

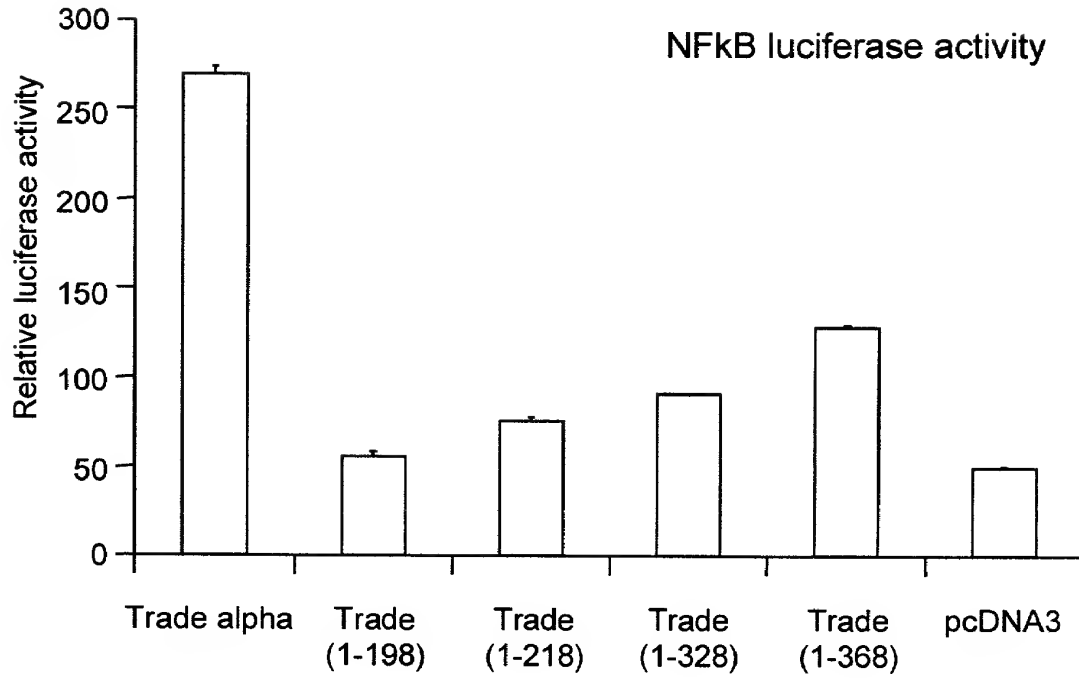


FIG. 14B

